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## ABSTRACT OF THE DISCLOSURE

There is provided an efficient data rearrangement method which reduces the number of processing operations to shorten processing time, and deals with optional rules. The method includes: a) storing data in a first data storage section; b) storing data rearrangement information in a stack; and c) reading the data stored in the first data storage section, and storing the data in a second data storage section based on the data rearrangement information stored in the stack.